

Form PTO-948 (Rev. 06/03)
Application No. 10/004 785U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12/17/01 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
- B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

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| <p>1. DRAWING S. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).</p> <ul style="list-style-type: none"> <input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s) _____ <input type="checkbox"/> Pencil and non black ink not permitted. Fig(s) _____ <p>2. PHOTOGRAPHHS. 37 CFR 1.84(b)</p> <ul style="list-style-type: none"> <input type="checkbox"/> One (1) full-zone set is required. Fig(s) _____ <input type="checkbox"/> Photograph may not be mounted. 37 CFR 1.84(e) <input type="checkbox"/> Photograph must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____ <input type="checkbox"/> Poor quality (half-tone). Fig(s) _____ <p>3. TYPE OF PAPER. 37 CFR 1.84(e)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) _____ <input type="checkbox"/> Erasures, iterations, overwritings, interlineations, folds, cop machine marks not accepted. Fig(s) _____ <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) or 21.6 cm by 27.9 cm (8 1/2x 11 inches) <input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____ <input type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) _____ <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm Margins not acceptable. Fig(s) _____</p> <ul style="list-style-type: none"> <input type="checkbox"/> Top (T) Left (L) <input type="checkbox"/> Right (R) Bottom (B) <p>6. VIEWS. 37 CFR 1.84(h)</p> <p>REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, & the Brief Description of the Drawings, must likewise be changed.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Views not labeled separately or properly. Fig(s) _____ <p>7. SECTION/ L. VIEWS. 37 CFR 1.84(h)(3)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____ | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____ <p>9. SCALE. 37 CFR 1.84(k)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____ <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>4/11</u> <p>11. SHADING. 37 CFR 1.84(m)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Solid black areas pale. Fig(s) _____ <input type="checkbox"/> Solid black shading not permitted. Fig(s) _____ <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>4/11</u> <input checked="" type="checkbox"/> Figure legends are poor. Fig(s) <u>4/11</u> <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____ <input type="checkbox"/> Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____ <p>13. LEAD LINES. 37 CFR 1.84(q)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lead lines missing. Fig(s) _____ <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____ <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____ <p>16. DESIGN DRAWINGS. 37 CFR 1.152</p> <ul style="list-style-type: none"> <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____ <input type="checkbox"/> Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____ |
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COMMENTS

NO IMAGE IS SHOWN FOR FIG 7 - BLACK
FIG 7, 9, 11, 12 SHOULD BE PENS INIC
RENDERING

Reviewer D. Bridget Gray

If you have questions, call (703) 305-8404.

Date 3-17-04

Attachment to Paper No. _____

Attachment for PTO-948 (Rev. 03/01, or earlier)
6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities – 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTO-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.